TOWN OF ACTON
472 Main Street
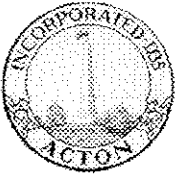Acton, Massachusetts, 01720

VOLUNTEER COORDINATING COMMITTEE

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On September 27, 2004 the Volunteer Coordinating Committee
voted to recommend Oleg H. Volinsky as an Associate member
of the Cable Advisory Committee with a 1 year term ending
June 30, 2005.

Oleg has lived in Acton 7 years and in Massachusetts
14 years. He is a Principal Software Engineer at Axiowave
Networks Inc. in Marlborough. He feels it is important to contribute
to the town in which you live. He feel the Cable Advisory
Committee is a good match for his interest and skills. His
wife is involved in the Family Network. They have a 2½ yr.
old son.

Oleg got an MS CSE University of Massachusetts, Amherst, MA in 1996
and a BS EE from University of Massachusetts, Amherst, MA in 1993
His resume is impressive and we were impressed with his
energy + enthusiasm.

Nancy A. Whitcomb, Chairman VCC
                        Sept. 29, 2004

original

Volunteer Coordinating Committee
Volunteer Application

Residents interested in serving on a Town Board, Committee or Commission are requested to complete this form and forward it to the Office of the Town Manager at Town Hall.

(Please print or type)

Title (Mr.) Mrs. Ms. Dr.	E-mail Address olegr@verizon.net	Date 8/17/2004
Last Name Volinsky	First Name Oleg	Middle Initial H.
Street Address 8 Durkee Rd, Acton	Home Phone 978-263-4212	Business Phone 781-248-9362

Please refer to the other side of this sheet and indicate below, in order of preference, the Board, Committee or Commission that is of interest to you: 1. Cable Advisory Committee Associate (Economic Development Committee) He decided not interested.

Have you previously been a member of a Board, Committee or Commission (either in Acton or elsewhere)? If so, please list the Board name and your approximate dates of service: no

Do you have any time restrictions? mostly evenings

Are you a U.S. Citizen? yes   How long have you lived in Acton? 7   In Massachusetts? 16 years

Present occupation and employer (Optional: Attach résumé) Principal Software Engineer, Aziowave Networks.

Do you or your employer have any current or potential business relationship with the Town of Acton that could create a conflict of interest? no

Education or special training: MS Comp Systems Eng., BSEE, Project Management Certificate Courses.

Please list below any additional information or comments that may help in the matching of your interests with the most appropriate Board/Committee, such as civic experience, special interest/hobbies, etc.:

Member of several local organizations, Involved in a number early stage startup businesses, Enjoy investigate new business opportunities.

OLEG M. VOLINSKY
8 Durkee Road
Acton, MA 01720
(978)263-4212
oleg.volinsky@verizon.net

SUMMARY
Substantial early product development experience from conception, through functional specification and prototype, to productization, testing and customer deployment. Extensive experience with embedded systems, IP and MPLS packet processing, middleware, hardware and software integration.

Programming languages:	C, C++, Tcl/Tk, M68K Assembly, HTML, Pascal
Operating systems:	Linux, LynxOS, FreeBSD, NetBSD, ULTRIX/OSF1, VAX/VMS, Windows, and other Real Time OS
Hardware:	MPC760, MPC860, M68K, StrongArm, Pentium, FDDI, Ethernet, Gigabit Ethernet, ATM
Protocols:	TCP/IP, OSPF, RIP, MPLS, LNP, RSVP, 802.1D, 802.1P, 802.1Q, DVMRP, RIP, VRRP, IGMP, DECnet, IPX, AppleTalk

EDUCATION
MS CSE	University of Massachusetts, Amherst, MA	1996
BSEE	University of Massachusetts, Amherst, MA	1993

EXPERIENCE
03/01- Present Axiowave Networks Inc. Marlborough, MA
Principal Software Engineer
Member of software team that developed embedded software, middleware, and drivers for Core Routing product with distributed architecture.
- Responsible for architecture and design of packet filtering and IP policing solution. Coordinated the release of multiple features with development, marketing and testing teams.
- Implemented driver and management software for high speed interface between proprietary switch fabric and forwarding engine. The proprietary FPGA consisted of SPI and SerDes cores with multiple DMA engines.
- Designed a number of distributed software modules with a focus on the distributed hardware management in a highly scalable high-availability environment. Developed IP, MPLS and Packet Services configuration software for third party NPU. Worked on development of the routing distribution and the high-availability infrastructure for the carrier class core router.
- Implemented software MPLS forwarder, MPLS tunnel, IPIP and GRE tunneling solutions for BSD base network stack. Integrated the tunneling interfaces with GMPLS.

02/00 – 03/01 Ucentric Systems Inc. Maynard, MA
Principal Software Engineer
Responsible for direction and development of embedded network solution for an integrated home networking product. Patents filed.
- Delivered embedded DHCP server, firewall, and NAT solution.
- Contributed to Linux kernel and network driver development.
- Ported SSL library into product.
- Integrated PPPOE solution for DSL component of the home gateway.

- Developed remote access software for the multipurpose home server. Implementation included PPTP, L2TP, and IPSec VPNs.
- Participated in development of new hardware and system architecture for next generation product.

10/97 – 02/00   Ennovate Networks Inc. Boxborough, MA
Senior Software Engineer
As an early member of the development team, participated in the development of a Carrier class edge router from the founding of the company through carrier lab testing and deployment.
- Participated in design and implementation of an early Virtual Router IP VPN solution. Responsible for development and release of the proprietary VPN distribution protocol. Led highly scalable IP VPN tunneling and virtual routing development project. Multi-protocol virtual routing solution included support for RIP, OSPF, and BGP.
- Contributed to architectural design of ASIC based packet-forwarding engine for IP and Frame Relay services. Developed prototype software for verification of the ASIC features.
- Developed BSD kernel-level system software for Strong Arm based application module including implementation of multiple Unix device drivers. Ported GateD routing software into the edge router environment.
- Deployed software infrastructure for multiplatform development. Coordinated integration and release of early versions of the product for customer evaluation and testing.

07/95 – 10/97   Digital Equipment Corporation (Network BU) Maynard, MA
Senior Software Engineer
- Developed embedded software for Ethernet/FDDI/ATM switch/router.
- Participated in architectural development of VLAN and IP solutions for new and existing products.
- Implemented VLAN solution on the existing switch/routing product.
- Designed FDDI and Ethernet device drivers and other firmware software.
- Worked on implementation of DVMRP and IGMP V3 for a Multiprotocol router(OSPF/RIP/AppleTalk/ISIS/DECNet).
- Managed a multi-protocol switch/router product from development through release.

12/95 – 06/96   BCN Inc. Newton, MA
Consultant
- As a member of research team participated in development of new high-speed and WDM networks architectures.
- Contributed to application process for stage one SBIR funding. Developed user interface and optical device library for all-optical network modeling tool. The project was then approved for second stage SBIR funding.

09/88 - 8/93   Applicon Inc., Billerica, MA
Assistant Software Engineer
- Developed automated test programs for surface and solids modeler, 2-D and 3-D parametric constraint, and feature based modeling systems.
- Designed user interface for the CAD/CAM system.

REFERENCES   Available upon request.